

QY		1035	CCCTTCACATAAATAGATTTAAGTAAAAA	1077
DB		1021	CCCTTTCAATAAATAGATTTAAGTAAAAA	1063
<div style="text-align:center;">RESULT 3 AAV9558</div>				
ID	AAVS9558 standard; DNA; 1049 BP.			
XX	XX			
AC	AAV95558;			
XX				
DT	06-JAN-1999 (first entry)			
DE				
XX	Human secreted protein gene 48 clone HFCAI74.			
XX				
KW	Human; secreted protein; fusion protein; gene therapy; gene expression; tissue; cancer; tumour; neurodegenerative disease; developmental abnormality; foetal deficiency; blood; immune system; asthma; lymphocytic disease; brain; inflammation; ischaemic shock; Alzheimer's disease; cognitive disorder; schizophrenia; prostate; obesity; osteoporosis; arthritis; testis; lung; thyroiditis; thyroid endocrine; metabolism; regulation; malabsorption; gastritis			
OS	Homo sapiens.			
XX				
PN	WO9839448-A2.			
PD	11-SEP-1998.			
XX				
Pf	06-MAR-1998; 98WO-US004493.			
XX				
PR	07-MAR-1997; 97US-0038621P.			
PR	07-NAR-1997; 97US-0040161P.			
PR	07-MAR-1997; 97US-0040162P.			
PR	07-MAR-1997; 97US-0040163P.			
PR	07-MAR-1997; 97US-0040333P.			
PR	07-MAR-1997; 97US-0040334P.			
PR	07-NAR-1997; 97US-0040336P.			
PR	07-MAR-1997; 97US-0040626P.			
PR	11-APR-1997; 97US-0043311P.			
PR	11-APR-1997; 97US-0043312P.			
PR	11-APR-1997; 97US-0043313P.			
PR	11-APR-1997; 97US-0043314P.			
PR	11-APR-1997; 97US-0043315P.			
PR	11-APR-1997; 97US-0043568P.			
PR	11-APR-1997; 97US-0043569P.			
PR	11-APR-1997; 97US-0043576P.			
PR	11-APR-1997; 97US-0043578P.			
PR	11-APR-1997; 97US-0043580P.			
PR	11-APR-1997; 97US-0043669P.			
PR	11-APR-1997; 97US-0043670P.			
PR	11-APR-1997; 97US-0043671P.			
PR	11-APR-1997; 97US-0043672P.			
PR	11-APR-1997; 97US-0043674P.			
PR	23-MAY-1997; 97US-0047492P.			
PR	23-MAY-1997; 97US-0047500P.			
PR	23-MAY-1997; 97US-0047501P.			
PR	23-MAY-1997; 97US-0047502P.			
PR	23-MAY-1997; 97US-0047503P.			
PR	23-MAY-1997; 97US-0047581P.			
PR	23-MAY-1997; 97US-0047582P.			
PR	23-MAY-1997; 97US-0047583P.			
PR	23-MAY-1997; 97US-0047584P.			
PR	23-MAY-1997; 97US-0047585P.			
PR	23-MAY-1997; 97US-0047586P.			
PR	23-MAY-1997; 97US-0047587P.			
PR	23-MAY-1997; 97US-0047588P.			
PR	23-MAY-1997; 97US-0047589P.			
PR	23-MAY-1997; 97US-0047590P.			
PR	23-MAY-1997; 97US-0047592P.			
PR	23-MAY-1997; 97US-0047593P.			

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QY	764	CATTAAAGTGGCACAAAATCAGACGAAGAAAGGATGCCCTTCCCAATTTCTCTCAATCGTT	823
Db	721	CATTAAAGTGGCACAAAATCAGACGAAGAAAGGATGCCCTTCCCAATTTCTCTCAATCGTT	780
QY	824	TTATGCCGAGAAGATCTCAGCTGGATGCCAACATGTTCCGATGCTGTGGAAGACATGCC	883
Db	781	TTATGCCGAGAAGATCTCAGCTGGATGCCAACATGTTCCGATGCTGTGGAAGACATGCC	840
QY	884	GACGTCTCCTCGCTAGGAGCAGGACTTGGGCTTAGGCGAGGTGGAAAAAATTCAGA	943
Db	841	GACGTCTCCTCGCTAGGAGCAGGACTTGGGCTTAGGCGAGGTGGAAAAAATTCAGA	900
QY	944	CTTTTTTAGCACTGTTTTTGTGTTTAAATGGGTATATTTTTATTGGCTACTTTATTGTTAGG	1003
Db	901	CTTTTTTAGCACTGTTTTTGTGTTTAAATGGGTATATTTTTATTGGCTACTTTATTGTTAGG	960
QY	1004	ACAAGTGGTAGTGGCATCTCTATTTATTGTGACCTTTTCAATAAATAGATTTAAGTAAAAA	1063
Db	961	ACAAGTGGTAGTGGCATCTCTATTTATTGTGACCTTTTCAATAAATAGATTTAAGTAAAAA	1020
QY	1064	AAAAAAAAAAAAAA 1077	
Db	1021	AAAAAAAAAAAAAA 1034	
RESULT 4			
ABS73545			
ID	ABS73545 standard; cDNA; 1049 BP.		
AC	ABS73545;		
CC			
XX	15-JAN-2003 (first entry)		
DT	Human cDNA #1 for novel secreted protein gene 48.		
XX	Human; ss; gene; secreted protein; autoimmune disease; chemotaxis;		
XX	rheumatoid arthritis; hyperproliferative disorder; breast neoplasm;		
XX	liver neoplasm cardiovascular disorder; cardiac arrest; skin aging;		
KW	cerebrovascular disorder; cerebral ischaemia; angiogenesis; sunburn;		
KW	nervous system disorders; Alzheimer's disease; infection;		
KW	ocular disorder; corneal infection; wound healing; tissue regeneration;		
KW	epithelial cell proliferation; organ transplantation; food additive;		
KW	preservative; nutritional.		
XX	Homo sapiens.		
OS	US6420526-E1.		
PN	16-JUL-2002.		
XX	08-SEP-1998; 98US-00149476.		
PP	07-MAR-1997; 97US-0038621P.		
XX	07-MAR-1997; 97US-0040161P.		
PP	07-MAR-1997; 97US-0040162P.		
XX	07-MAR-1997; 97US-0040163P.		
PP	07-MAR-1997; 97US-0040333P.		
XX	07-MAR-1997; 97US-0040334P.		
PP	07-MAR-1997; 97US-0040336P.		
XX	07-MAR-1997; 97US-0040626P.		
PP	11-APR-1997; 97US-0043311P.		
XX	11-APR-1997; 97US-0043312P.		
PP	11-APR-1997; 97US-0043313P.		
XX	11-APR-1997; 97US-0043314P.		
PP	11-APR-1997; 97US-0043315P.		
XX	11-APR-1997; 97US-0043568P.		
PP	11-APR-1997; 97US-0043569P.		
XX	11-APR-1997; 97US-0043576P.		
PP	11-APR-1997; 97US-0043578P.		
XX	11-APR-1997; 97US-0043580P.		
PP	11-APR-1997; 97US-0043669P.		
XX	11-APR-1997; 97US-0043670P.		

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Qy	61	GlnSerProPheAsnAspLeuValAsnArgGlnLeuValAsnMetGlyPheProGlnTrpHis	80	97US-0047581P.
Db	326	CAGTCCCTTCAATGACCTCAACCGGACGCTGGTGAACATGGCTTCCCGCAGTGGAT	385	97US-0047583P.
Qy	81	LeuGlyAsnHisAlaValGluProValThrSerIleLeuLeuPheLeuValSerMet	100	97US-0047584P.
Db	386	CTCGCAACCATGCTGTGAGCGGTGACCTCCATCTCTCTCTCTCTCTCTCTCTCTCT	445	97US-0047585P.
Qy	101	LeuGlyValArgGlyLeuLeuValGlyLeuValTyLeuValSerHisLeuSerGln	120	97US-0047586P.
Db	446	CTTGGTTCGGTGGCT	505	97US-0047587P.
Qy	121	Arg 121		97US-0047588P.
Db	506	CGG 508		97US-0047589P.
RESULT 3				97US-0047590P.
AAV59558				97US-0047591P.
ID	AAV59558	standard; DNA; 1049 BP.		97US-0047592P.
AC	AAV59558;			97US-0047593P.
XX				97US-0047594P.
XX	06-JAN-1999	(first entry)		97US-0047595P.
DT				97US-0047596P.
DE	Human secreted protein gene 48 clone HFCA174.			97US-0047597P.
XX				97US-0047598P.
KW	Human; secreted protein; fusion protein; gene therapy; protein therapy;			97US-0047599P.
KW	diagnosis; tissue; cancer; tumour; neurodegenerative disorder; leukaemia;			97US-0047600P.
KW	developmental abnormality; foetal deficiency; blood; allergy; renal; ds;			97US-0047601P.
KW	immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma;			97US-0047602P.
KW	inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS;			97US-0047603P.
KW	cognitive disorder; schizophrenia; prostate; obesity; osteoclast; thymus;			97US-0047604P.
KW	osteoporosis; arthritis; testis; lung; thyroiditis; thyroid; digestion;			97US-0047605P.
KW	endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm.			97US-0047606P.
XX				97US-0047607P.
OS	Homo sapiens.			97US-0047608P.
XX				97US-0047609P.
XX	WO9839448-A2.			97US-0047610P.
PN				97US-0047611P.
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PD	11-SEP-1998.			97US-0047613P.
XX				97US-0047614P.
XX	06-MAR-1998;	98WO-US004493.		97US-0047615P.
XX				97US-0047616P.
PR	07-MAR-1997;	97US-0038621P.		97US-0047617P.
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PR				97US-0047851P.

XX PA (HUMA-) HUMAN GENOME SCI INC.

XX PI Ruben SM, Rosen CA, Fischer CL, Soppet DR, Carter KC;

XX PI Bednarik DP, Endress GA, Yu G, Ni J, Feng P, Young PE, Greene JM;

XX PI Ferrie AM, Duan R, Hu J, Florence KA, Olsen HS, Ebner R, Brewer LA;

XX PI Moore PA, Shi Y, Lafleur DW, Li Y, Zeng Z, Kyaw H;

XX DR WPI; 1998-506364/43.

XX DR P-PSDB; AAW74778.

XX PT New isolated human genes and the secreted polypeptide(s) they encode -

XX PT useful for diagnosis and treatment of e.g. cancers, neurological

XX PT disorders, immune diseases, inflammation or blood disorders.

XX PS Claim 1; Page 280; 72lpp; English.

XX CC This sequence represents a nucleic acid molecule designated Gene 48 from

CC the human cDNA clone HFC1A174 (deposited as clone ATCC 97899 and ATCC

CC 209045) which encodes a secreted human protein. The gene can be used to

CC generate fusion proteins by linking to the gene to a human immunoglobulin

CC Fc portion (e.g. AAV59502) for increasing the stability of the fused

CC protein as compared to the human protein only. The invention relates to

CC 186 novel genes and their fragments (nucleic acid sequences: AAV59511-

CC V59812; amino acid sequences AAW74731-W75026) which are useful for

CC preventing, treating or ameliorating medical conditions e.g. by protein

CC or gene therapy. Also, pathological conditions can be diagnosed by

CC determining the amount of the new polypeptides in a sample or by

CC determining the presence of mutations in the 186 polynucleotides.

CC Specific uses are described for each of the 186 polynucleotides, based on

CC which tissues they are most highly expressed in (see AAV59511 for

CC described uses).

XX SQ Sequence 1049 BP; 223 A; 258 C; 303 G; 265 T; 0 U; 0 Other;

Alignment Scores:

Pred. No.: 7,82e-51 Length: 1049

Score: 632.00 Matches: 121

Percent Similarity: 100.00% Conservative: 0

Best Local Similarity: 100.00% Mismatches: 0

Query Match: 100.00% Indels: 0

DB: 2 Gaps: 0

US-10-001-885-125 (1-121) x AAV59558 (1-1049)

Qy 1 MetValArgIleLeuAlaAsnGlyGluIleValGlnAspAspProArgValArgThr 20

Db 116 ATGGTGGGATCTGGCCAAATGGGGMAATCTGGCAGGACGACGACCCCGAGTCAGGACC 175

Qy 21 ThrThrGlnProProArgGlySerIleProArgGlnSerPheAsnArgGlyHisGly 40

Db 176 ACTACCCAGCCACCAGAGGTAGCATTCCTCCAGAGAGCTTCTTCAATAGGGGCCATGGT 235

Qy 41 AlaProGlyGlyProGlyProArgGlnGlnGlnAlaGlyAlaArgLeuGlyAlaAla 60

Db 236 GCTCCCCAGGGGTCTCTGGCCCCCGCCAGCAGCAGGCGTGGCTGGTCTGCT 295

Qy 61 GlnSerProPheAsnAspLeuAsnArgGlnLeuValAsnMetGlyPheProGlnTrpHis 80

Db 296 CAGTCCCTTCATATGACCTCAACCGGAGCTGGTGACATGGGCTTTCCGCGATGGCAT 355

Qy 81 LeuGlyAsnHisAlaValGluProValThrSerIleLeuLeuLeuPheLeuLeuMetMet 100

Db 356 CTGGGCAACCATGTGTGGACCGGTGACCTCCATCTCTCTCTCTCTCTCTCTCTCTCTCT 415

Qy 101 LeuGlyValArgGlyLeuLeuLeuValGlyLeuValTyrLeuValSerHisLeuSerGln 120

Db 416 CTGTGTGTCTGGGCTCTCTCTGTGGCTTGTCTACCTGTGTGTGTGTGTGTGTGTGTGTGT 475

Qy 121 Arg 121

Db 476 CGG 478

RESULT 4

ABS73545

ID ABS73545 standard; cDNA; 1049 BP.

XX XX

AC ABS73545;

XX XX

DT 15-JAN-2003 (first entry)

XX XX

DE Human cDNA #1 for novel secreted protein gene 48.

XX XX

KW Human; ss; Gene; secreted protein; autoimmune disease; chemotaxis;

KW rheumatoid arthritis; hyperproliferative disorder; breast neoplasm;

KW liver neoplasm cardiovascular disorder; cardiac arrest; skin aging;

KW cerebrovascular disorder; cerebral ischaemia; angiogenesis; sunburn;

KW nervous system disorders; Alzheimer's disease; infection;

KW ocular disorder; corneal infection; wound healing; tissue regeneration;

KW epithelial cell proliferation; organ transplantation; food additive;

KW preservative; nutritional.

XX XX

OS Homo sapiens.

XX XX

PN US6420526-B1.

XX XX

PD 16-JUL-2002.

XX XX

PF 08-SEP-1998; 98US-00149476.

XX XX

PR 07-MAR-1997; 97US-0038621P.

PR 07-MAR-1997; 97US-0040161P.

PR 07-MAR-1997; 97US-0040162P.

PR 07-MAR-1997; 97US-0040163P.

PR 07-MAR-1997; 97US-0040333P.

PR 07-MAR-1997; 97US-0040334P.

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PR 11-APR-1997; 97US-0043311P.

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PR 11-APR-1997; 97US-0043671P.

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APPENDIX - A

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